

REMARKS

Claims 1-27 are before the Examiner. Independent Claim 1 has been amended by incorporating the formula of Claims 2, 3 and 4 therein and, accordingly, Claims 2, 3 and 4 have been deleted. The Applicant respectfully requests entry of the above amendments to the claims and reconsideration of the above-referenced patent application in view of the above amendments and the following remarks.

Rejection Requirement

Applicants affirm the election of the invention of Group I, Claims 1-27.

Objections and Rejections

Claims 1-27 were rejected under 35 USC § 112, first paragraph, because the originally specification allegedly contains no description of the metal being from group. Applicant believe this rejection should be withdrawn because no recite a Group 9 metal and as such no corresponding description is required.

Claims 1-27 were rejected under 35 USC § 112, first paragraph, because allegedly the present claims were overly broad and thus presented enablement and/or inoperability problems. Claims 1-27 were also rejected under 35 USC § 112, second paragraph, due to several formal objections.

In response to these rejections, the Applicant elected to amend Claim 1 by incorporating the specific formulae of Claims 2-4 therein and by changing the "exposure" to -contact—and "may be" to -is-. In this connection, the Examiner should recognize that the presented molybdenum example corresponds to the formula of original Claim 2 and the palladium example corresponds to the formula of original Claim 4. Further, Applicant believes the amendment to Claim 1 obviates the objection in regard to scandium.

In regards to the objection to the term "cyclopentadienyl-derived", the Applicant believes the term as presented is sufficiently clear. Specifically, the Applicant believes that a person of ordinary skill in the relevant art will recognize the term is used consistent with ordinary dictionary meaning to refer to a compound that was made or obtained from cyclopentadienyl.

Accordingly, in view of the foregoing amendments and remarks, Applicant respectfully submits that the pending claims are allowable and respectfully requests a prompt notice of allowance.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'O.K. McKinney', with a stylized flourish at the end.

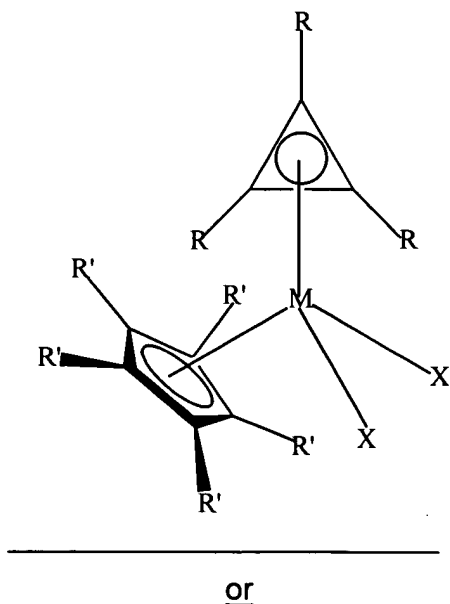
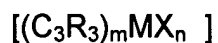
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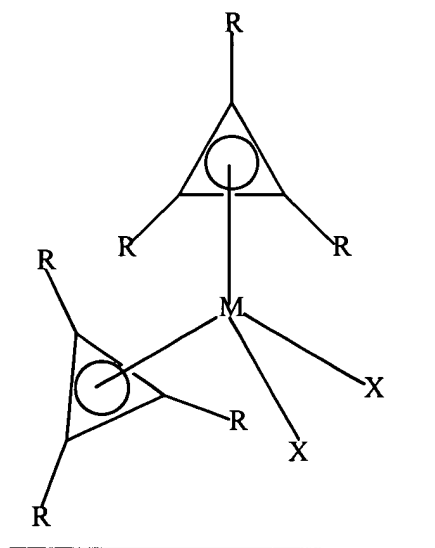
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Version with markings to show changes made.

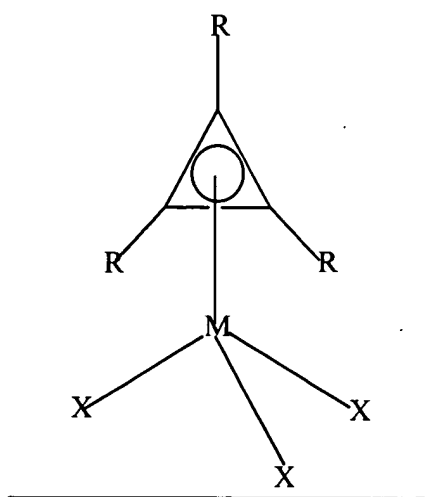
In the Claims - please amend as follows:

1. (Amended) An olefin polymerization catalyst comprising a cationic complex that results from [exposure] contact of a neutral transition metal compound to an activator composition wherein the neutral transition metal compound [may be] is represented by the following formula:





or



wherein $[(C_3R_3)]$ is a cyclopropenyl ring and] each R is a monodentate or a bidentate radical and is independently hydrogen, hydrocarbyl, substituted-

hydrocarbyl, halocarbyl, substituted-halocarbyl, hydrocarbyl-substituted organometalloid, halocarbyl-substituted organometalloid, disubstituted boron, disubstituted pnictogen, substituted chalcogen or halogen, and when R is a bidentate radical it [may] is form a C_4 to C_{20} ring system to give a saturated or unsaturated polycyclic cyclopropenyl ligand or it [may] is form a bridge between one $[(C_3R_3)]$ cyclopropenyl ring and another $[(C_3R_3)]$ cyclopropenyl ring or an X radical; each X radical is independently a halide, hydride, hydrocarbyl, substituted hydrocarbyl, halocarbyl, substituted halocarbyl, and hydrocarbyl- and halocarbyl-substituted organometalloid, substituted pnictogen, or substituted chalcogen and one X [may be] is a pi-bonded cyclopentadienyl ligand or cyclopentadienyl-derived ligand in that the ligand is obtained from cyclopentadienyl in one or more steps and one X [may be] is an amido or an imido radical; M is a [Group 3, 4, 5, 6, 8, or 10] Group 4, 5, 6 or 8 transition metal, and m and n are integers of 1 or greater and $m+n$ satisfies the valence of M.